

L Number	Hits	Search Text	DB	Time stamp
1	1259	422/180.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 18:10
2	61	422/180.ccls. and (turbulent)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 18:10
3	120346	(turbulent mix efficiency) and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 18:16
4	7750	(turbulent turbulence) and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 18:17
5	6369	(turbulent turbulence) and (catalyst catalytically catalytic) and gas	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 18:18
6	1523	(turbulent turbulence) and (catalyst catalytically catalytic) and (422/\$.ccls. 431/\$.ccls. 60/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 18:41
7	1058	(turbulent turbulence) and (catalyst catalytically catalytic) and (422/\$.ccls. 431/\$.ccls. 60/\$.ccls.)	USOCR	2003/01/24 18:28
8	5	2490079.URPN.	USPAT	2003/01/24 18:38
9	1523	(turbulent turbulence) and (catalyst catalytically catalytic) and (422/\$.ccls. 431/\$.ccls. 60/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 18:42
10	5	("3208131" "5162288" "5202303" "5228847" "5628181").PN.	USPAT	2003/01/24 18:45
11	5	("2551115" "4072007" "4870824" "5026273" "5415233").PN.	USPAT	2003/01/24 18:45
12	29	("0802380" "1681698" "1701805" "1735261" "1783701" "1826487" "1839655" "1960043" "2044537" "2068421" "2087170" "2186752" "2277294" "2333567" "2420599" "2618539" "2758018" "2789238" "3287094" "3356256" "3748111" "3903646" "3981356" "4013190" "4093818" "4248342" "4909730" "4925053" "5000336").PN.	USPAT	2003/01/24 18:46
13	3	("3944505" "4118199" "4382323").PN.	USPAT	2003/01/24 18:47
14	7	5162288.URPN.	USPAT	2003/01/24 18:48
15	34	("3830684" "3997632" "4107241" "4186159" "4276242" "4296050" "4307254" "4344899" "4356611" "4366608" "4471014" "4497751" "4597916" "4604247" "4670196" "4676934" "4731229" "5063000" "5073236" "5080962" "5096663" "5102745" "5162288" "5188773" "5189001" "5235102" "5304330" "5321163" "5326504" "5431890" "5498376" "5500160" "5523062" "5578254").PN.	USPAT	2003/01/24 18:48
16	8	("4381590" "4385032" "4400860" "4519120" "4521947" "4665051" "4795615" "4847966").PN.	USPAT	2003/01/24 18:53
17	9	("3881701" "4576800" "4647435" "4882130" "4987034" "5063029" "5118475" "5312694" "5317869").PN.	USPAT	2003/01/24 18:55
18	8	("2730434" "3466151" "3825460" "3853485" "4207202" "4532086" "4533584" "4719090").PN.	USPAT	2003/01/24 18:56
19	14	4882130.URPN.	USPAT	2003/01/24 18:57

-	717224	catalyst catalytically catalytic	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 18:16
-	10359	burner and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 12:41
-	115996	(reactor burner) and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 13:01
-	33709	(reactor burner) and (catalyst catalytically catalytic)	USOCR	2003/01/24 12:42
-	10359	(burner) and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 12:44
-	517	turbulence and (burner) and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 12:45
-	1203	(431/\$.ccls. 122/\$.ccls. 126/\$.ccls.) and (burner) and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 13:01
-	1796	(431/\$.ccls. 60/\$.ccls. 122/\$.ccls. 126/\$.ccls.) and (burner) and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 13:04
-	16	3910770.URPN.	USPAT	2003/01/24 13:29
-	20	4285193.URPN.	USPAT	2003/01/24 14:37
-	13	("1979187" "2993454" "3056467" "3819334" "3908367" "4154568" "4280926" "4307068" "4319556" "4330503" "4345528" "4363785" "4373507").PN.	USPAT	2003/01/24 14:44
-	3	("3581463" "4102980" "4193972").PN.	USPAT	2003/01/24 14:45
-	3	("3581463" "4102980" "4193972").PN.	USPAT	2003/01/24 14:46
-	6	4307068.URPN.	USPAT	2003/01/24 14:46
-	13	("1979187" "2993454" "3056467" "3819334" "3908367" "4154568" "4280926" "4307068" "4319556" "4330503" "4345528" "4363785" "4373507").PN.	USPAT	2003/01/24 14:47
-	12	("1789812" "1932927" "2772147" "2887456" "3100140" "3109715" "3172251" "3208131" "3211534" "3295919" "3441382" "3607133").PN.	USPAT	2003/01/24 14:47
-	5	("3050375" "3109715" "3159450" "3295919" "3498928").PN.	USPAT	2003/01/24 14:48
-	22	3607133.URPN.	USPAT	2003/01/24 14:48
-	9	2887456.URPN.	USPAT	2003/01/24 14:54
-	3	("3499269" "4003976" "4414139").PN.	USPAT	2003/01/24 14:58
-	22	3499269.URPN.	USPAT	2003/01/24 14:58
-	5	("4340403" "4364760" "4364761" "4390355" "4404007").PN.	USPAT	2003/01/24 15:07
-	5	("4041591" "4041592" "4264346" "4276071" "4300953").PN.	USPAT	2003/01/24 15:08
-	14	("3869267" "3920428" "4264346" "4276071" "4324572" "4376637" "4427418" "4456457" "4543113" "4576799" "4613350" "4813231" "4940476" "5042249").PN.	USPAT	2003/01/24 15:16
-	5	("2994435" "3780872" "3869267" "4444574" "4478618").PN.	USPAT	2003/01/24 15:17

-	11	("2805229" "2986454" "3499797" "3507627" "3916869" "4425305" "4459126" "4730599" "4739826" "4870824" "4938685").PN.	USPAT	2003/01/24 15:22
-	5	5326252.URPN.	USPAT	2003/01/24 15:22
-	7	("3933643" "4661126" "4872889" "4928485" "5042249" "5070694" "5110561").PN.	USPAT	2003/01/24 15:25
-	4	("3770389" "4072471" "4220625" "4282186").PN.	USPAT	2003/01/24 15:26
-	4	("3770389" "4072471" "4220625" "4282186").PN.	USPAT	2003/01/24 15:27
-	11	("3189563" "3208131" "3597165" "3770389" "3773894" "3811845" "3819334" "3897366" "3929671" "3956185" "4078898").PN.	USPAT	2003/01/24 15:27
-	70	3773894.URPN.	USPAT	2003/01/24 15:28
-	10	("3006782" "3560408" "3640755" "3773894" "3886095" "3922234" "3969480" "4021372" "4069171" "4282115").PN.	USPAT	2003/01/24 15:29
-	3	("1934975" "2526657" "3257163").PN.	USPAT	2003/01/24 15:30
-	15	2526657.URPN.	USPAT	2003/01/24 15:30
-	8	("2332110" "2526657" "2801906" "3362783" "3391910" "3492098" "3867313" "3920583").PN.	USPAT	2003/01/24 15:32
-	10	3492098.URPN.	USPAT	2003/01/24 15:32
-	7	("1341976" "2877860" "3492098" "3775063" "4022019" "4345430" "4530418").PN.	USPAT	2003/01/24 15:33
-	15	("0821828" "1094667" "1302300" "1388107" "1505893" "1554534" "1612584" "2499018" "3104732" "3232373" "3235003" "3306395" "3746126" "4032310" "4211303").PN.	USPAT	2003/01/24 15:33
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-	5	("4058485" "4157929" "4268482" "4530418" "4576800").PN.	USPAT	2003/01/24 15:36
-	4	("4098722" "4162993" "4190559" "4247422").PN.	USPAT	2003/01/24 15:36

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3	115996	(reactor burner) and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 13:01
4	33709	(reactor burner) and (catalyst catalytically catalytic)	USOCR	2003/01/24 12:42
5	10359	(burner) and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 12:44
6	517	turbulence and (burner) and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 12:45
7	1203	(431/\$.ccls. 122/\$.ccls. 126/\$.ccls.) and (burner) and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 13:01
8	1796	(431/\$.ccls. 60/\$.ccls. 122/\$.ccls. 126/\$.ccls.) and (burner) and (catalyst catalytically catalytic)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/24 13:04
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10	20	4285193.URPN.	USPAT	2003/01/24 14:37
11	13	("1979187" "2993454" "3056467" "3819334" "3908367" "4154568" "4280926" "4307068" "4319556" "4330503" "4345528" "4363785" "4373507").PN.	USPAT	2003/01/24 14:44
12	3	("3581463" "4102980" "4193972").PN.	USPAT	2003/01/24 14:45
13	3	("3581463" "4102980" "4193972").PN.	USPAT	2003/01/24 14:46
14	6	4307068.URPN.	USPAT	2003/01/24 14:46
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17	5	("3050375" "3109715" "3159450" "3295919" "3498928").PN.	USPAT	2003/01/24 14:48
18	22	3607133.URPN.	USPAT	2003/01/24 14:48
19	9	2887456.URPN.	USPAT	2003/01/24 14:54
20	3	("3499269" "4003976" "4414139").PN.	USPAT	2003/01/24 14:58
21	22	3499269.URPN.	USPAT	2003/01/24 14:58
22	5	("4340403" "4364760" "4364761" "4390355" "4404007").PN.	USPAT	2003/01/24 15:07
23	5	("4041591" "4041592" "4264346" "4276071" "4300953").PN.	USPAT	2003/01/24 15:08
24	14	("3869267" "3920428" "4264346" "4276071" "4324572" "4376637" "4427418" "4456457" "4543113" "4576799" "4613350" "4813231" "4940476" "5042249").PN.	USPAT	2003/01/24 15:16
25	5	("2994435" "3780872" "3869267" "4444574" "4478618").PN.	USPAT	2003/01/24 15:17

26	11	("2805229" "2986454" "3499797" "3507627" "3916869" "4425305" "4459126" "4730599" "4739826" "4870824" "4938685").PN.	USPAT	2003/01/24 15:22
27	5	5326252.URPN.	USPAT	2003/01/24 15:22
28	7	("3933643" "4661126" "4872889" "4928485" "5042249" "5070694" "5110561").PN.	USPAT	2003/01/24 15:25
29	4	("3770389" "4072471" "4220625" "4282186").PN.	USPAT	2003/01/24 15:26
30	4	("3770389" "4072471" "4220625" "4282186").PN.	USPAT	2003/01/24 15:27
31	11	("3189563" "3208131" "3597165" "3770389" "3773894" "3811845" "3819334" "3897366" "3929671" "3956185" "4078898").PN.	USPAT	2003/01/24 15:27
32	70	3773894.URPN.	USPAT	2003/01/24 15:28
33	10	("3006782" "3560408" "3640755" "3773894" "3886095" "3922234" "3969480" "4021372" "4069171" "4282115").PN.	USPAT	2003/01/24 15:29
34	3	("1934975" "2526657" "3257163").PN.	USPAT	2003/01/24 15:30
35	15	2526657.URPN.	USPAT	2003/01/24 15:30
36	8	("2332110" "2526657" "2801906" "3362783" "3391910" "3492098" "3867313" "3920583").PN.	USPAT	2003/01/24 15:32
37	10	3492098.URPN.	USPAT	2003/01/24 15:32
38	7	("1341976" "2877860" "3492098" "3775063" "4022019" "4345430" "4530418").PN.	USPAT	2003/01/24 15:33
39	15	("0821828" "1094667" "1302300" "1388107" "1505893" "1554534" "1612584" "2499018" "3104732" "3232373" "3235003" "3306395" "3746126" "4032310" "4211303").PN.	USPAT	2003/01/24 15:33
40	12	4530418.URPN.	USPAT	2003/01/24 15:35
41	5	("4058485" "4157929" "4268482" "4530418" "4576800").PN.	USPAT	2003/01/24 15:36
42	4	("4098722" "4162993" "4190559" "4247422").PN.	USPAT	2003/01/24 15:36

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C. D. KEITH ETAL

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CATALYST CARTRIDGE

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Sheet 1 of 2

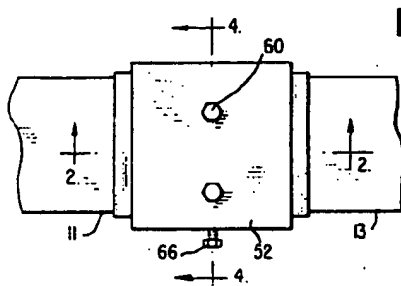


FIG. 1

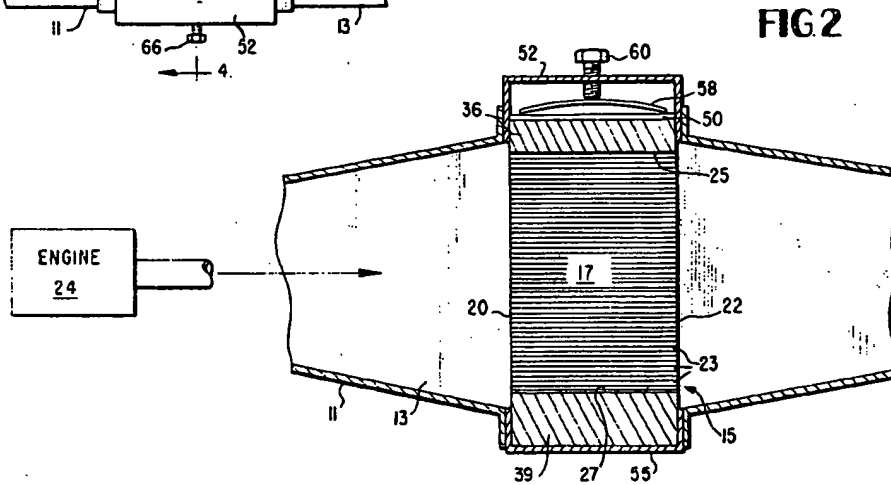


FIG. 2

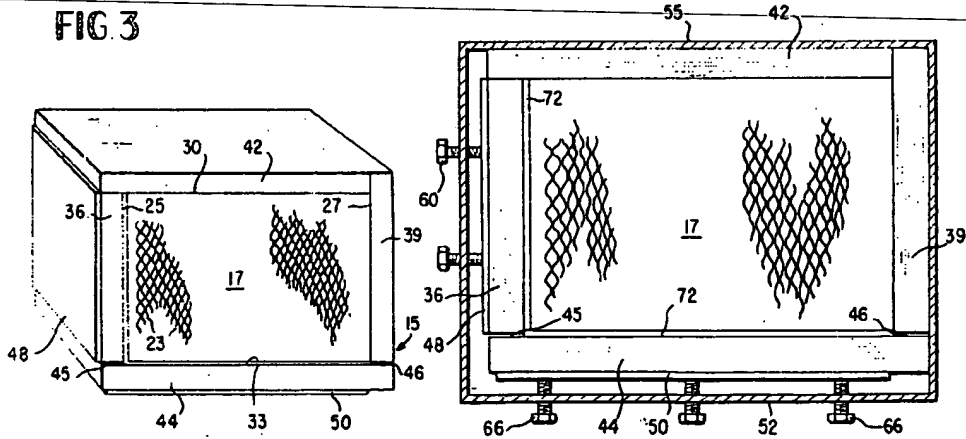


FIG. 3

FIG. 4

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